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EXAMINER

JEAN GILLES, JUDE

ART UNIT PAPER NUMBER

2143

DATE MAILED: 05/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/905,117

Applicant(s)

HO, ALEXANDER CHANNING

Examiner

Jude J. Jean-Gilles

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 February 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-38 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-38 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 13 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 08/24/2001.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

This Action is in regards to the Reply received on 22 February, 2005.

#### ***Response to Amendment***

1. This action is responsive to the application amendment filed on February 22<sup>nd</sup>, 2005. Claims 9 and 25-27 are objected to for minor informalities. Claim 9, 24 and 30 are rejected under 35 U.S.C. 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter. Claims 1-4, 6-22, 24-25 and 28-38 are rejected under 35 U.S.C. 102(e) as being unpatentable over Hawkins et al. (U.S. Patent No. 6,343,318 B1). Claims 5 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkins et al. (U.S. Patent No. 6,343,318 B1) in view of Dutta et al, (U.S. Patent No. 6,615,212 B1).

Claims 9 and 25-27 have been amended to the correct minor informalities identified by the examiner in the first office action. Claims 1, 9, 20, 24, 26, and 30 have been amended to reflect applicant's main point of contention. Claims 1-38 are currently pending and represent a method and system for "*Dynamic and Automatic Content Creation for Mobile Devices*".

#### ***Response to Arguments***

2. Applicant's arguments with respect to former claims 1, 20 (now substantially incorporated into each of the dependent claims) and claims 9, 24, 26, and 30, have been carefully considered, but are not deemed fully persuasive. Applicant's arguments are deemed moot in view of the following new ground of rejection as explained here

Art Unit: 2143

below, necessitated by Applicant substantial amendment to the claims which significantly affected the scope thereof.

The dependent claims stand rejected as articulated in the First Office Action and all objections not addressed in Applicant's response are herein reiterated.

### ***Information Disclosure Statement***

3. The references listed on the Information Disclosure Statement submitted on 08/24/2001 have been considered by the examiner (see attached PTO-1449A).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 1-38** are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkins et al (Hawkins), U.S. Patent No. 6,343,318 B1 in view of Lai et al (Lai), U.S. Patent No. 6,407,680 B1.

Regarding **claim 1**, Hawkins discloses the invention substantially as claimed. Hawkins teaches a method for delivering content to a mobile device (*column 8, lines 6-11; fig. 1, item 100*), comprising the steps of:

receiving a first request for content from the mobile device (*column 12, lines 49-64; fig. 2, item 240*);

responsive to the first request for content, sending to the mobile device (*column 12, lines 64-67; fig. 2, item 260*) an address of the requested content in a reference format (*column 13, lines 47-53; it is important to note that "when the browser appends text parameters to the end of the base document URL" is equivalent to the reference format disclosed*); however Hawkins does not teach in detail receiving a second request from the mobile device for the content subsequent to the first request for content, the second request specifying an address of the requested content .

In the same field of endeavor, Lai discloses a system and a method "...that permits expedited delivery of the media content when subsequent requests for the same media content.transcoding into the same destination type are received by the media transcoding engine..." [see *Lai, column 17, lines 31-67*].

responsive to the second request of Lai, Hawkins teaches fetching the requested content in the reference format from the specified address (*fig. 2, item 270*) and converting the fetched content from the reference format to a format suitable to the mobile device (*column 10, lines 7-13*), and

delivering the converted content to the mobile device (*fig. 2, item 280*).

Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Lai's teachings of receiving subsequent to the first request, a second request specifying the wireless device information with the teachings of Hawkins, for the purpose of improving the ability of a local network "to permit a user to play various types of media content regardless of the media player employed by the user" as stated by Lai in lines 25-28 of column 4.

Art Unit: 2143

Hawkins also provides motivation to combine disclosing "*an improved system and method for handheld device to access Internet information over relative low bandwidth networks*" [see Hawkins, column 3, lines 25-27]. By this rationale, **claim 1** is rejected.

**Regarding claim 2:** the combination Hawkins-Lai teach the method of Claim 1, wherein the first receiving step and the sending step are carried out by a first server [see Hawkins; column 14, lines 48-57; in fig. 2, block 250; it is important to note that "the proxy server 180 converts the CTP query 124 to an HTTP query 126 and forwards that HTTP query 126 to the Web server 140."] and wherein the second receiving step and the fetching and converting steps are carried out by a second server [see Hawkins; column 3 lines 41-46; Hawkins disclose a web server a that generates responses to the server. The responses are fetched and formatted according to the second markup language]. The same motivation that was used for claim 1, also applies to claim 2 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 2** is rejected.

**Regarding claim 3:** the combination Hawkins-Lai teach the method of Claim 2, wherein the second server is a software module [see Hawkins; fig. 1, item 140; column 8, lines 31-35; according to the Microsoft computer Dictionary, fourth edition, "a web server or HTTP server is a server software that uses HTTP to serve up HTML documents and any associated files and scripts when requested by a client, such as a web browser". Hawkins et al disclose in lines 32 and 33 of column 8 that the web server includes programs such as a CGI program, responsible for generating HTML pages ]. The same motivation that was used for claim 1, also applies to claim 3 [see Lai, column

Art Unit: 2143

4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 3** is rejected.

**Regarding claim 4:** the combination Hawkins-Lai teach the method of Claim 2, wherein the software module runs on the first Server [see Hawkins; *fig. 1, item 180; column 18, lines 55-58; it is important to note that that the proxy server 180 converts the CTP query 124 to an HTTP query 126 and forwards that HTTP query 126 to the web server* in *fig. 1. A program that resides on the Proxy server enables the said proxy server to "parse the parameters of the URL and send them to the executable program of the web server" as stated by Hawkins et al in columns 50-53 of column 13*]. The same motivation that was used for claim 1, also applies to claim 4 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 4** is rejected.

**Regarding claim 5:** the combination Hawkins-Lai teach the method of claim 2, wherein the software module runs on at least one third server that is distinct from the first server [see Lai; *fig. 2, items 202 (1<sup>st</sup> server), 204 (2<sup>nd</sup> server), and 222 (3<sup>rd</sup> server)*]. The same motivation that was used for claim 1, also applies to claim 5 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 5** is rejected.

**Regarding claim 6:** the combination Hawkins-Lai teach the method of Claim 2, wherein the second server includes hardware [see Hawkins; *fig. 1, item 140; Hawkins et al disclose that the proxy server (first server 180) and the web server (second server 140) are all coupled to the Internet*]. The same motivation that was used for claim 1,

also applies to claim 6 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 6** is rejected.

**Regarding claim 7:** the combination Hawkins-Lai teach the method of Claim 1, wherein the first sending step sends the address of the requested content within a base file [see Hawkins; *column 22, lines 52-59; it is important to note the presence of the base document followed by data identifying the contents address*]. The same motivation that was used for claim 1, also applies to claim 7 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 7** is rejected.

**Regarding claim 8:** the combination Hawkins-Lai teach the method of Claim 1, wherein the address includes a Universal Resource Locator of the requested content [see Hawkins; *column 22, lines 52-59; it is important to note that the single packet of data has a based document uniform resource locator followed by data that references fields and links of the contents*]. The same motivation that was used for claim 1, also applies to claim 8 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 8** is rejected.

**Regarding claim 9:** the combination Hawkins-Lai teach the method of Claim 1, wherein the converting step carries out at least one of the following steps:

re-sizing the requested content;

converting the requested content from color to black and white;

cropping the requested content;

dithering the requested content,

flipping the requested content, and



Art Unit: 2143

changing the number of colors of the requested content.

re-sizing the requested content [see Hawkins; *column 10, column 7-14*];

converting the requested content from color to black and white [see Hawkins; *column 21, lines 62-67*];

cropping the requested content [see Hawkins; *column 11, lines 64-65*];

changing a number of colors of the requested content [see Hawkins; *column 21, lines 62-67*]. The same motivation that was used for claim 1, also applies to claim 9 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 9** is rejected.

**Regarding claim 10:** the combination Hawkins-Lai teach the method of Claim 1, further comprising a step of storing a copy of the converted content in a cache memory [see Hawkins; *column 241, lines 7-12; column 10, lines 24-26*]. The same motivation that was used for claim 1, also applies to claim 10 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 10** is rejected.

**Regarding claim 11:** the combination Hawkins-Lai teach the method of Claim 10, wherein the delivering step delivers the copy of the converted content from the cache memory if a valid copy of the converted content is present in the cache memory [see Hawkins; *column 10, lines 24-26*]. The same motivation that was used for claim 1, also applies to claim 11 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 11** is rejected.

**Regarding claim 12:** the combination Hawkins-Lai teach the method of Claim 1, wherein the type of mobile device includes make and model information of the mobile

Art Unit: 2143

device [see Hawkins; column 249, lines 30-32 ; it is important to note a connect call is made to specify a remote IP address and port number for the socket. According to the Microsoft Computer Dictionary, fourth edition, "a socket is defined as an identifier for a service on a particular node on a network". The socket here is provided with the address specifying the type of wireless client. It is functionally inherent to add the make and the model as part of the socket information]. The same motivation that was used for claim 1, also applies to claim 12 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 12** is rejected.

**Regarding claim 13:** the combination Hawkins-Lai teach the method of Claim 2, wherein the second server stores a configuration table associating the type of mobile device with display characteristics of the mobile device [see Hawkins; fig. 6, item 620; column 156, lines 8-11; It is important to note that a table similar to the table of columns 133-134 is used to keep the Compact Markup Language Tags ]. The same motivation that was used for claim 1, also applies to claim 13 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 13** is rejected.

**Regarding claim 14:** the combination Hawkins-Lai teach the method of Claim 13, wherein the converting step includes a step of accessing the configuration table and converting the requested content to the format specified by the display characteristics associated with the type of the mobile device [see Hawkins; fig. 6, item 620; note that the Message Formatting Layer converts the CML into the wireless communications device Operating System drawing commands]. The same motivation that was used for

Art Unit: 2143

claim 1, also applies to claim 14 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 14** is rejected.

**Regarding claim 15:** the combination Hawkins-Lai teach the method of Claim 1, wherein the requested content includes an image and wherein the converting step includes a step of changing the resolution of the image [see Hawkins; *column 20, lines 60-67*]. The same motivation that was used for claim 1, also applies to claim 15 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 15** is rejected.

**Regarding claim 16:** the combination Hawkins-Lai teach the method of Claim 1, wherein the delivering step delivers the converted content to the mobile device at a selectable bit rate [see Hawkins; *column 262, lines 19-27*]. The same motivation that was used for claim 1, also applies to claim 16 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 16** is rejected.

**Regarding claim 17:** the combination Hawkins-Lai teach the method of Claim 13, wherein the content is of a type selected from a group including image, video, audio, audio stream and video stream. Hawkins et al teach a network "*server that includes support for almost all versions of HTML, HTTP, SMTP, POP, etc.*" as stated in *column 261, lines 31-36*. It is functionally inherent for an HTTP server to process content such as image, video, audio, audio stream and video stream. The same motivation that was used for claim 1, also applies to claim 17 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 17** is rejected.

**Regarding claim 18:** the combination Hawkins-Lai teach the method of Claim 17, wherein the reference format is different for each type of content [see Hawkins; *column 10, lines 7-13, 24-25*]. The same motivation that was used for claim 1, also applies to claim 18 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 18** is rejected.

**Regarding claim 19:** the combination Hawkins-Lai teach the method of Claim 2, wherein the second server is a software module and wherein the address of the content in the reference format is passed as an argument to the software module [see Hawkins; *column 259, lines 10-12*]. The same motivation that was used for claim 1, also applies to claim 19 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 19** is rejected.

**Regarding claim 20:** the combination Hawkins-Lai teach a computer system configured to deliver content to a mobile device [see Hawkins; *column 8, lines 6-11; fig. 1, item 100*], comprising:

a first server [see Hawkins; *fig. 1, item 180*] configured to deliver, responsive to a first request for content from the mobile device, an address of a content in a reference format [see Hawkins; *column 13, lines 47-53; it is important to note that "when the browser appends text parameters to the end of the base document URL" is equivalent to the reference format disclosed*] responsive to a request for the content from the mobile device [see Hawkins; *fig. 1, item 100*], and

a first proxy server [see Hawkins; *fig. 1, item 180*] configured to receive a second request from the mobile device the content, the second request including (*fig. 1, item*

Art Unit: 2143

100), the address of the requested content in the reference format (*column 18, lines 44-52; column 13, lines 47-53*) and a type of the mobile device (*column 10, 7-13; fig. 2, item 250; Hawkins et al disclose that "converting image content to a size and bit depth appropriate for display on the wireless communications device" which inherently reveals the type of wireless device*), to fetch the content at the received address, to convert the fetched content from the reference format to a format suitable to the type of mobile device and to deliver the converted content to the mobile device [see Hawkins; *column 10, lines 8-13; fig. 2, items 270, 280*]. The same motivation that was used for claim 1, also applies to claim 20 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 20** is rejected.

**Regarding claim 21:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first proxy server is a software module [see Hawkins; *fig. 1, item 180; column 18, lines 55-58; it is important to note that that the proxy server 180 converts the CTP query 124 to an HTTP query 126 and forwards that HTTP query 126 to the web server" in fig. 1. A program that resides on the Proxy server enables the said proxy server to "parse the parameters of the URL and send them to the executable program of the web server" as stated by Hawkins et al in columns 50-53 of column 13*]. The same motivation that was used for claim 1, also applies to claim 21 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 21** is rejected.

**Regarding claim 22:** the combination Hawkins-Lai teach the computer Claim 21, wherein the software module runs on the first server [see Hawkins; *fig. 1, item 180;*

Art Unit: 2143

*column 18, lines 55-58; it is important to note that that the proxy server 180 converts the CTP query 124 to an HTTP query 126 and forwards that HTTP query 126 to the web server" in fig. 1. A program that resides on the Proxy server enables the said proxy server to "parse the parameters of the URL and send them to the executable program of the web server" as stated by Hawkins et al in lines 50-53 of column 13]. The same motivation that was used for claim 1, also applies to claim 22 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 22** is rejected.*

**Regarding claim 23:** the combination Hawkins-Lai teach the method of claim 21, wherein the software module runs on at least one third server that is distinct from the first server [see Lai; fig. 2, items 202 (1<sup>st</sup> server), 204 (2<sup>nd</sup> server), and 222 (3<sup>rd</sup> server)]. The same motivation that was used for claim 1, also applies to claim 23 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 23** is rejected.

**Regarding claim 24:** the combination Hawkins-Lai teach the computer of Claim 20, wherein the first proxy server includes hardware [see Hawkins; fig. 1, item 140; Hawkins et al disclose that the proxy server (first server 180) and the web server (second server 140) are all coupled to the Internet]. The same motivation that was used for claim 1, also applies to claim 24 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 4** is rejected.

**Regarding claim 25:** the combination Hawkins-Lai teach the computer of Claim 24, wherein the first server and the first proxy server are coupled to one another by a computer network (fig. 1, items 180, 140, 190; column 8, lines 22-27). The same

Art Unit: 2143

motivation that was used for claim 1, also applies to claim 25 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 25** is rejected.

**Regarding claim 26:** the combination Hawkins-Lai teach the computer of Claim 25, further including a plurality of second proxy servers each of the plurality of second proxy servers being configured as first proxy servers and coupled to a computer network [see *Lai; column 10, lines 19-49*]. The same motivation that was used for claim 1, also applies to claim 26 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 26** is rejected.

**Regarding claim 26:** the combination Hawkins-Lai teach the computer of Claim 25, wherein at least some of the plurality of second proxy servers are geographically separated from one another [see *Lai; column 10; lines 15-50*]. The same motivation that was used for claim 1, also applies to claim 27 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 27** is rejected.

**Regarding claim 28:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first server is configured to send the address of the requested content within a base file [see Hawkins; *column 22, lines 52-59; it is important to note the presence of the base document followed by data identifying the contents address*]. The same motivation that was used for claim 1, also applies to claim 28 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 28** is rejected.

**Regarding claim 29:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the address includes a Universal Resource Locator of the requested

Art Unit: 2143

content [see Hawkins; *column 22, lines 52-59; it is important to note that the single packet of data has a based document uniform resource locator followed by data that references fields and links of the contents*]. The same motivation that was used for claim 1, also applies to claim 29 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 29** is rejected.

**Regarding claim 30:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first proxy server is also configured to selectively re-size the requested content, convert the requested content from color to black and white, crop the requested content, dither the requested content, flip the requested content or to change the number of colors of the requested content.

Hawkins et al disclose the steps below:

re-sizing the requested content [see Hawkins; *column 10, lines 7-14*];

converting the requested content from color to black and white [see Hawkins; *column 21, lines 62-67*];

cropping the requested content [see Hawkins; *column 11, lines 64-65*];

changing the number of colors of the requested content [see Hawkins; *column 21, lines 62-67*]. The same motivation that was used for claim 1, also applies to claim 30 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 30** is rejected.

**Regarding claim 31:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first proxy server is also configured to store a copy of the converted content in a cache memory [see Hawkins; *column 241, lines 7-12; column 10,*



Art Unit: 2143

lines 24-26]. The same motivation that was used for claim 1, also applies to claim 31 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 31** is rejected.

**Regarding claim 32:** the combination Hawkins-Lai teach the computer system of Claim 31, wherein the first proxy server is configured to deliver the copy of the converted content from the cache memory if a valid copy of the converted content is present in the cache memory [see Hawkins; *column 10, lines 24-26*]. The same motivation that was used for claim 1, also applies to claim 32 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 32** is rejected.

**Regarding claim 33:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the type of mobile device includes make and model information of the mobile device [see Hawkins; *column 249, lines 30-32 ; it is important to note a connect call is made to specify a remote IP address and port number for the socket. According to the Microsoft Computer Dictionary, fourth edition, "a socket is defined as an identifier for a service on a particular node on a network". The socket here is provided with the address specifying the type of wireless client. It is functionally inherent to add the make and the model as part of the socket information*]. The same motivation that was used for claim 1, also applies to claim 33 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 33** is rejected.

**Regarding claim 34:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first proxy server is configured to maintain a configuration table associating the type of mobile device with display characteristics of the mobile device

Art Unit: 2143

[see Hawkins; *fig. 6, item 620; column 156, lines 8-11; It is important to note that a table similar to the table of columns 133-134 is used to keep the Compact Markup Language Tags* ]. The same motivation that was used for claim 1, also applies to claim 34 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 34** is rejected.

**Regarding claim 35:** the combination Hawkins-Lai teach the computer system of Claim 34, wherein the first proxy server is further configured to access the configuration table and convert the requested content to the format specified by the display characteristics associated with the type of the mobile device [see Hawkins; *fig. 6, item 620; note that the Message formatting layer converts the CML into the wireless communications device Operating System drawing commands*]. The same motivation that was used for claim 1, also applies to claim 35 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 35** is rejected.

**Regarding claim 36:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the content is of a type selected from a group including image, video, audio, audio stream and video stream Hawkins et al teach a network "server that includes support for almost all versions of HTML, HTTP, SMTP, POP, etc." [see Hawkins; *column 261, lines 31-36*]. The same motivation that was used for claim 1, also applies to claim 36 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 36** is rejected.

**Regarding claim 37:** the combination Hawkins-Lai teach the computer system of Claim 36, wherein the reference format is different for each type of content [see

Hawkins; *column 10, lines 7-13, 24-25*]. The same motivation that was used for claim 1, also applies to claim 37 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 37** is rejected.

**Regarding claim 38:** the combination Hawkins-Lai teach the computer system of Claim 20, wherein the first proxy server is a software module and wherein the address of the content in the reference format is passed as an argument to the software module [see *Hawkins; column 259, lines 10-12*]. The same motivation that was used for claim 1, also applies to claim 38 [see Lai, column 4, lines 25-28; see Hawkins; column 3, lines 25-27]. By this rationale, **claim 38** is rejected.

### ***Response to Arguments***

6. Applicant's Request for Reconsideration filed on February 22<sup>nd</sup>, 2005 has been carefully considered but is not deemed fully persuasive. However, because there exists the likelihood of future presentation of this argument, the Examiner thinks that it is prudent to address Applicants' main points of contention.

A. Applicant asserts that Hawkins does not teach the claimed steps of receiving subsequent requests from the mobile device of independent **claims 1 and 20**.

B. Applicant contends that Hawkins' proxy server 180 and the web server 140 do not receive or respond to two requests from the mobile device in order to provide the requested content to the mobile device.

Art Unit: 2143

C. Applicant contends also that Hawkins does not teach sending to the mobile device an address of the content in a reference format in combination with fetching the requested the requested content in the reference format from the specified address.

7. As to "Point A" the Examiner rightfully notes that Hawkins does not teach in detail subsequent requests from the mobile device. it is the position of the Examiner that this amendment to the claims required new search. As a result, all claims previously rejected under 35 U.S.C. 102(e) has been removed and replaced with a rejection under 35 U.S.C. 103(a) over Hawkins and Lai. A prima facie case of obviousness is established as there is clear motivation to combine Hawkins and Lai with a reasonable expectation of success [see examination of independent claim 1]. As a result, Applicant's arguments are deemed moot in view of the above new grounds of rejection.

The same explanation used for point A above is also valid for Points B, and C.

All rejections not addressed in the Applicant response are herein reiterated

#### ***References Cited***

Hawkins et al (Hawkins), U.S. Patent No. 6,343,318 B1.

Lai et al (Lai), U.S. Patent No. 6,407,680 B1.

***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley, can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3719.

Art Unit: 2143

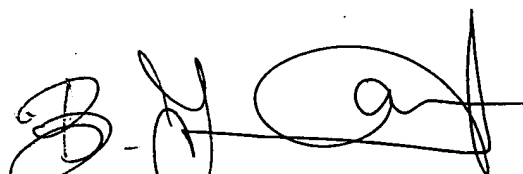
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Jude Jean-Gilles

Patent Examiner

Art Unit 2143

JJG



**BUNJOS JAROENCHONWANIT**  
**PRIMARY EXAMINER**

May 12, 2005

